

REMARKS

Claims 1, 3, AND 5-9 are pending in the application, with claims 1 and 3 amended and claims 2 and 4 cancelled herein. No new matter is added by these amendments. Support for the amendments can be found in the claims as originally filed as well as in paragraph 0104 of the specification and Figs. 9 and 10.

Initially, the office action objects to the drawings. In response a new Fig. 1 is submitted herewith wherein the reference character 1 is replaced with 7a to correspond with the specification. The new Fig. 1 bears the legend REPLACEMENT SHEET. No new matter is added. Withdrawal of the objection is requested.

Next the title is objected to as not descriptive. In response a new title is submitted herewith. Withdrawal of the rejection is requested.

On the merits, the office action rejects claims 1-3 under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 6,038,233 to Hamamoto, and claims 4-9 are rejected under 35 U.S.C. § 103(a) as unpatentable over Hamamoto in view of U.S. Published Patent Application No. 2003/0185236 to Asano. The rejections are respectfully traversed in view of the foregoing amendments and the following remarks.

In contrast to Asano and Hamamoto, independent claim 1 of the present application recites, "an adding unit adding the variable address acquired by the variable address acquisition unit, as the destination address of the received data, and adding the fixed identifier related with the variable address stored by the identifier storage unit, to the received data".

Amended independent claim 3 recites similar features of the present application as recited in amended independent claim 1, "wherein the packet translating unit translates the IPv4 packet into an IPv6 packet with the care-of address acquired by the care-of address acquisition unit

being set as a destination address, and with the fixed identifier related with the care-of address stored by the identifier storage unit”.

Support for the foregoing recitations may be found at paragraph 0104 of the specification and in FIGS 9 and 10 of the drawings. FIG 9 shows the encapsulated packet format including the home address, and FIG 10 shows the routing-header-added packet format including the home address.

It is respectfully submitted that Asano does not teach the adding of the home address (fixed identifier) to the translated packet when translating IPv4 packet into IPv6 packet. In contrast, the address translation device of Claim 1 and the packet translation device of Claim 3 add the fixed identifier. For example, the packet translation device adds home address to the packet by encapsulating the packet or by adding the routing header (Refer to paragraph 0104 and FIGS 9 and 10). Therefore, amended claims 1, and 3 provide a special advantage that a breaking of connection can be prevented when changing of care-of address of mobile node have been occurred.

In addition, dependent claims 5-7 recite patentably distinguishing features of their own. For example, claim 7 recites "wherein the care-of address acquisition unit acquires, from the storage unit and the identifier storage unit, a care-of address corresponding to the destination address and the destination port number of the IPv4 packet received".

In contrast to Asano and Hamamoto, independent Claims 8 and 9 of the present application recite, " an IPv6 terminal device transmitting, to a home agent set in the device itself, a registration message containing a care-of address and a home address that are assigned to the device itself”.

And independent Claim 9 further recites, "a home agent forwarding, upon receiving the registration message from the IPv6 terminal device, the received registration message to the packet translation device".

As best understood, Asano renews the care-of address by checking the source addresses of the received packets. In contrast, the packet translation system recited in Claims 8 and 9 of the present application renews the care-of address by receiving Binding Update (the registration message) from the home agent or the mobile node. Therefore, claims 8, and 9 provide an advantage in that the packet translation device can add a correct care-of address to the received packet, when changing of care-of address of mobile node have been occurred.

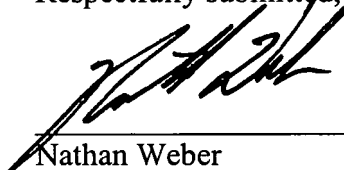
In view of the claim amendments and remarks, withdrawal of the foregoing rejections of pending claims and allowance of claims is respectfully requested.

Conclusion

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,



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